

This listing of claims will replace all versions of claims in the "Substitute specification" marked version :

**Listing of Claims:**

1. (Currently Amended) A scanning Scanning microscope with comprising at least one light source defining an illumination beam path and with a spectral detector for detecting ~~the~~ a detection light coming from ~~the~~ a sample and defining a detection beam path, said scanning microscope containing and [[a]] spectral splitter means for separating component, characterized in that the spectral splitter component separates the illumination beam and the detection beam.
2. (Currently Amended) The scanning Scanning microscope as defined in claim 1, wherein characterized in that the spectral splitter means component contains comprises a grating.
3. (Currently Amended) The scanning Scanning microscope as defined in claim 1, wherein characterized in that the spectral splitter means comprises component contains a prism.
4. (Currently Amended) The scanning Scanning microscope as defined in claim [[1]] 3, characterized in that wherein said prism comprises a boundary surface of the prism is reflectively coated at least in part.
5. (Currently Amended) The scanning Scanning microscope as defined in claim 3—or 4, characterized in that the wherein said boundary surface reflects internally the detection light or the illumination light.
6. (Currently Amended) The scanning Scanning microscope as defined in claim 5 one of claims 3 to 5, characterized in that the , wherein said boundary surface transmits the illumination light or the detection light.
7. (Currently Amended) The scanning Scanning microscope as defined in claim one of claims 4 to 6, characterized in that the wherein said boundary surface comprises reflectively coated

and non-reflectively coated parts and detection light strikes the reflectively coated parts of the boundary surface and that the illumination light strikes the non-reflectively coated parts of the boundary surface.

8. (Currently Amended) The scanning Scanning microscope as defined in claim 6, wherein one of claims 4 to 7, characterized in that the said boundary surface comprises reflectively coated and non-reflectively coated parts and illumination light strikes the reflectively coated parts of the boundary surface and that the detection light strikes the non-reflectively coated parts of the boundary surface.

9. (Currently Amended) The scanning Scanning microscope as defined in claim 4, wherein said boundary surface comprises reflectively coated and non-reflectively coated parts, said characterized in that the non-reflectively coated parts of the boundary surface are provided with having an antireflective coating.

10. (Currently Amended) The scanning Scanning microscope as defined in one of claims claim 4 to 9, characterized in that, wherein said boundary surface comprises reflectively coated and non-reflectively coated parts, said reflectively coated parts of the boundary surface and non-reflectively coated parts of the boundary surface are being disposed alternately next to each other.

11. (Currently Amended) The scanning Scanning microscope as defined in claim one of claims 4, wherein to 6, characterized in that the boundary surface is covered with a dichroic coating.

12. (Currently Amended) The scanning Scanning microscope as defined in claim 4 [[3]], characterized in that wherein one said boundary surface of the prism is structured in stepped or sawtooth form.

13. (Currently Amended) The scanning Scanning microscope as defined in one of claims 3 to claim 12, characterized in that 4, wherein the boundary surface totally reflects the detection light or the illumination light internally.

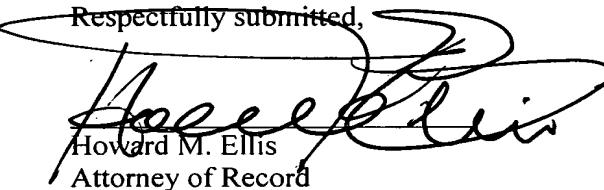
14. (Currently Amended) The scanning Scanning microscope as defined in claim 4 ~~12 or 13~~,  
wherein regions of the boundary surface with total internal reflection and regions not showing  
total internal reflection characterized in that totally internally reflecting parts of the boundary  
surface and not totally internally reflecting parts of the boundary surface are disposed  
alternately next to each other side-by-side.

15. (Currently Amended) The scanning Scanning microscope as defined in claim 3 ~~13 or 14~~,  
characterized in that one wherein said boundary surface is provided with segments made of a  
material the refractive index of which is different from that of the prism.

16. (Currently Amended) The scanning Scanning microscope as defined in ~~one of claims~~ claim  
~~1 to 15, characterized in that , wherein~~ the scanning microscope is a confocal scanning  
microscope.

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Respectfully submitted,

  
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